



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,569	01/26/2001	Cynthia M. Merkin	16356.572 (DC-02618)	7616
27683	7590	06/22/2004	EXAMINER	
HAYNES AND BOONE, LLP 901 MAIN STREET, SUITE 3100 DALLAS, TX 75202			CAO, CHUN	
		ART UNIT	PAPER NUMBER	2115

DATE MAILED: 06/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

BEST AVAILABLE COPY

Office Action Summary	Application No.	Applicant(s)
	09/770,569	MERKIN ET AL. <i>[Signature]</i>
	Examiner	Art Unit
	Chun Cao	2115

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 1/26/01.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-30 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

BEST AVAILABLE COPY

Attachment(s)

- 1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) Notice of Informal Patent Application (PTO-152)
6) Other: _____.

DETAILED ACTION

1. Claims 1-30 are presented for examination.
2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. The current title is imprecise.

Claim Rejections - 35 U.S.C. § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bell et al. (Bell), US patent no. 5,875,293 in view of Schaefer (Schaefer), U.S. Patent No. 6,487,610.

As per claim 1, Bell discloses a system [fig. 1] comprising:

a computer system [100, fig. 2A] including a processor and a memory [col. 5, lines 45-64] and configured to boot using a system firmware [col. 5, lines 32-35], the system firmware including instructions for causing the computer system to: initiate a manufacture mode of the system firmware [col. 5, lines 32-35].

Bell fails to detect a test apparatus coupled to the computer system, and initiate a manufacturing mode of the system firmware in response to detecting the test apparatus coupled to the computer system.

Schaefer teaches of detecting a test apparatus coupled to the computer system [col. 6, lines 49-51; col. 7, lines 39-41, 48-50], and initiating a manufacturing mode of

the system firmware in response to detecting the test apparatus coupled to the computer system [col. 1, lines 62-63; col. 3, lines 45-66; col. 8, lines 1-6, 21-30].

It would have been obvious to one of ordinary skill in the art at time the invention to combine the teachings of Bell and Schaefer because they both teach a system for manufacturing testing, and the specific teaching of Schaefer states above would improve the efficiency of Bell's system by testing a computer system if a test apparatus is detected.

As per claim 2, Schaefer discloses that the system firmware includes instructions for causing the computer system to:

provide a first value to the test apparatus [col. 6, lines 49-51; col. 7, lines 39-41, 48-50]; receive a second value from the test apparatus in response to providing the first value to the test apparatus [col. 7, lines 61-64]; and initiate the manufacturing mode in response to receiving the second value from the test apparatus [col. 8, lines 1-30].

As to claims 3-6, Bell discloses the invention as claimed including perform an input/output operation and store the information provided onto the computer system [figs. 5, 6; col. 10, line 57-col. 11, line 7; col. 17, lines 42-49].

As per claim 7, Schaefer discloses that the system firmware includes instructions for causing the computer system to:

not initiate the manufacturing mode in response to not receiving the second value from the test apparatus [col. 7, lines 55-61].

As per claim 8, Bell discloses that the manufacturing mode of the system firmware includes instructions for causing the computer system to: receive information from the test apparatus; and store the information on a device in the computer system [col. 5, lines 27-29].

As per claim 9, Bell discloses that the manufacturing mode of the system firmware includes instructions for causing the computer system to: store the system firmware on a device in the computer system [col. 5, lines 27-29].

5. As to claims 10-18, Bell and Schaefer together teach the claimed system. Therefore, Bell and Schaefer together teach the claimed computer program product for carrying out the system.

6. As to claims 19-27, Bell and Schaefer together teach the claimed system. Therefore, Bell and Schaefer together teach the claimed method of steps for carrying out the system.

7. As to claims 28-30 are written in means plus function format and contained same limitations as claims 1-3, therefore same rejection is applied.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chun Cao whose telephone number is 703-308-6106. The examiner can normally be reached on Monday-Friday from 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 703-305-9717. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 306-5631.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Chun Cao

June 18, 2004

BEST AVAILABLE COPY